

Diagram illustrating the construction details of a manhole assembly, showing the inlet pipe, outlet pipe, concrete cover slab, and surrounding structure.

Key components and specifications:

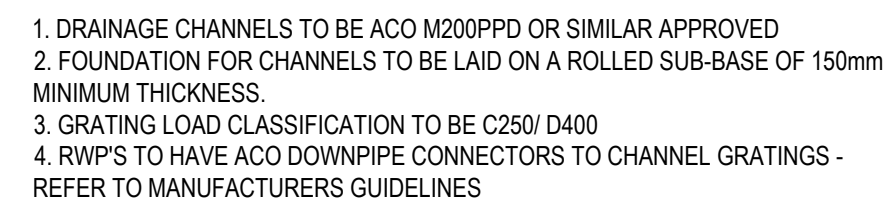
- MORTAR BEDDING AND HAUNCHING TO COVER AND FRAME TO CLAUSE E6.7
- MINIMUM 2 COURSES OF CLASS B ENGINEERING BRICKS AND PRECAST CONCRETE COVER FRAME SEATING RINGS
- MINIMUM CLEAR ACCESS 657mm
- MINIMUM INTERNAL DIMENSIONS 1200mm DIAMETER
- PRECAST CONCRETE MANHOLE SECTIONS AND COVER SLAB TO BE BEDDED WITH MORTAR, PLASTOMETRIC OR ELASTOMETRIC SEAL CONFORMING TO BS EN 1917 AND BS 5911-3 SEE CLAUSE E2.29
- 150mm CONCRETE SURROUND
- IN-SITU CONCRETE TO BE GEN3 (DESIGNED TO BRE SPECIAL DIGEST 1 CONCRETE IN AGGRESSIVE GROUND)
- 675x675mm CLEAR OPENING COVER COMPLYING WITH BS EN 124 AND BS 7903 SEE CLAUSE E2.32
- 150mm CONCRETE COVER SLAB
- 150Ø OVERFLOW PIPE
- TYPE Z CONCRETE BEDDING AND SURROUND
- INLET PIPE
- OUTLET PIPE
- ORIFICE OUTLET TO BE 64mm & LIMIT DISCHARGE RATE TO 12.0L/S. FIXED TO CONCRETE WITH RESIN ANCHOR.
- 225mm CONCRETE BASE.

SCALE N.T.S

Diagram illustrating the construction details of a manhole assembly, showing the internal structure and components:

- MORTAR BEDDING AND HAUNCHING TO COVER AND FRAME TO CLAUSE E6.7
- MINIMUM 2 COURSES OF CLASS B ENGINEERING BRICKS AND PRECAST CONCRETE COVER FRAME SEATING RINGS
- 150mm IN-SITU CONCRETE SURROUND, CONCRETE TO BE GEN3 (DESIGNED TO BRE SPECIAL DIGEST 1 CONCRETE IN AGGRESSIVE GROUND)
- 675x675mm CLEAR OPENING COVER COMPLYING WITH BS EN 124 AND BS 7903 SEE CLAUSE E2.32 (MINIMUM CLEAR ACCESS 657mm)
- STEEL ROPE OPERATING PIVOTING BYPASS DOOR.
- 150mm CONCRETE COVER SLAB
- 1500 OVERFLOW PIPE
- MINIMUM INTERNAL DIMENSIONS 1200mm DIAMETER
- INLET PIPE
- 60°
- C35 BENCHING
- 100mm CONCRETE BUILD-OUT WITHIN CHAMBER TO PROVIDE FLAT SURFACE FOR FLOW CONTROL TO BE MOUNTED.
- 225mm CONCRETE BASE
- PRECAST CONCRETE MANHOLE SECTIONS AND COVER SLAB TO BE BEDDED WITH MORTAR, PLASTOMETRIC OR ELASTOMETRIC SEAL CONFORMING TO BS EN 1917 AND BS 5911-3 SEE CLAUSE E2.29

SCALE N.T.S



SCALE (NTS)



1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ALL LEVELS ARE SHOWN IN METRES UNLESS NOTED OTHERWISE.
3. DO NOT SCALE FROM THE DRAWING. USE FIGURED DIMENSIONS ONLY.
4. ANY DISCREPANCIES TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
5. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, ENGINEERS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.
6. EXISTING SERVICES HAVE NOT BEEN SHOWN BUT ARE PRESENT - THE CONTRACTOR IS TO LIAISE WITH ALL STATUTORY AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORKS.



Vale Consultancy
CONSULTING CIVIL & STRUCTURAL ENGINEERS

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